

**SPONSOR**

Department of Water Resources

**RECORD TYPE**

Plan

**PROGRAM OVERSEEING EFFORT**

N/A

**REFERENCE NUMBER**

3860102002500400

**CONTRACT NUMBER**

U05SC031

**STATUS**

Active (60% - 79%)

**TARGET DATES**

**Start** 7/1/2014

**End** 7/1/2015

**FUNDING**

**Total Proposed Funding**

\$1,515,502

**Total Actual Funding**

\$1,344,876

**Fund Sources**

Proposition 50 - 6031

**Budget Reference**

001-099 - State Operations

Delta View ID: DWR\_054

**Delta Modeling -- Delta Water Quality Impact**

The purpose of this study is to look at the various impacts to water quality in the Delta. The work is completed by one DWR staff Engineer. FY 14-15 will focus on improving the estimates of Delta Island Consumptive Use in the Delta in dry years while also investigating impacts of well water usage on net delta outflow. Agricultural diversions and returns in the Delta impact the local water quality and are not for the most part measured. Much of that water is exported for drinking water uses. Consumptive Use also impacts the total Net Delta Outflow especially when the Net Delta outflow is low. With low Net Delta Outflow there can be salinity intrusion from the ocean which can also be exported for drinking water. In understanding the impact of agriculture, drinking water quality can be better managed and the accuracy of Delta Modeling for any Delta project can be improved.

**CONTACTS**

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## ALIGNMENT WITH THE DELTA PLAN

### GOAL

Improve Water Quality to Protect Human Health and the Environment

### CORE STRATEGY

#### DP CS 1

Delta as a Place

Ch 5 - DP policies and recommendations: Designate the Delta as a special place worthy of national and state attention

### *PERFORMANCE MEASURE(S)*

#### DP R1-01

#### **Designate the Delta as a National Heritage Area**

Delta Protection Commission completes application for designation of the Sacramento-San Joaquin Delta and Suisun Marsh as a National Heritage Area.

### CORE STRATEGY

#### WQ CS 1

Water Quality

Ch 6 - WQ recommendations: Require Delta-specific water quality protection

### *PERFORMANCE MEASURE(S)*

#### WQ R1-01

#### **Protect Beneficial Uses**

There is no administrative performance measure for this policy at this time.

Recommendation states:

Water quality in the Delta should be maintained at a level that supports, enhances, and protects beneficial uses identified in the applicable State Water Resources Control Board or regional water quality control board water quality control plans.

#### WQ R2-01

#### **Identify Covered Action Impacts**

100 percent of covered actions that affect water quality in the Sacramento-San Joaquin Delta identify any significant negative water quality impacts.



**COORDINATING BODIES**

N/A

**HYDROLOGIC REGION(S)**

Delta

**TYPE**

Research/Study

**TOPICS**

Administrative or Program Support